

Serial/Patent No.: 10/039,586
Filing Date: 1/4/02
Atty Docket: SPLX.P0048

Atty/Secty: MA/es
Date Mailed: 11/13/2003

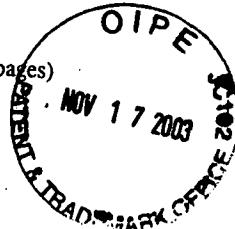
Serial/Patent No.: 10/039,586
Filing Date: 1/4/02
Atty Docket: SPLX.P0048
Applicant(s): Steve Teig

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TITLE: Method and Apparatus for Storing Routes for Groups of Related Net Configurations

The following has been received by the U.S. Patent & Trademark Office on the date stamped hereon:

1. Transmittal Form
2. Information Disclosure Statement (2 pages)
3. Form PTO-1449 (7 pages)
4. (88) cited references



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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/039,586
		Filing Date	1/4/02
		First Named Inventor	Steve Teig
		Group Art Unit	2661
		Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number	SPLX.P0048

Enclosures (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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Remarks:

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Or Individual name	Mani Adeli, Reg. No. 39,585 of Stattler Johansen & Adeli LLP
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Date	November 13, 2003

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PATENT
Docket No. SPLX.P0048

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Mani Adeli

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Steve Teig

Serial No.: 10/039,586

Filing Date: 1/4/02

For: METHOD AND APPARATUS FOR
STORING ROUTES FOR GROUPS OF
RELATED NET CONFIGURATIONS

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
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Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, applicants submit with this Information Disclosure Statement the attached Form PTO-1449, and copies of the documents listed in the 1449 form for consideration by the Examiner. The Examiner is requested to make these documents of record. Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

This Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

This Information Disclosure Statement is submitted within three months of the application filing date or before the mailing date of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

However, in the unlikely event that the Patent Office determines that additional fees, extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 50-1128** referencing SPLX.P0048. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: November 13, 2003

Respectfully submitted,
By: _____
Mani Adeli
Registration No. 39,585

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Substitute for form 1449A/PTO				Application Number	10/039,586
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/4/02
(use as many sheets as necessary)				First Named Inventor	Steve Teig
				Group Art Unit	2661
				Examiner Name	
Sheet	1	of	7	Attorney Docket Number	SPLX.P0048

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Date of Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Kind Code ² (if known)					
/BB/	1.	2001/0009 031	A1 07-19-2001	Nitta et al.	
	2.	2002/0182 844	A1 12-05-2002	Igarashi et al.	
	3.	2003/0005 399	A1 01-02-2003	Igarashi et al.	
	4.	4,593,363		Burstein et al.	
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	11.	5,640,327		Ting	
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	14.	5,784,289		Wang	
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	17.	5,889,677		Yasuda et al.	
	18.	5,980,093		Jones et al.	
↓	19.	6,070,108		Andreev et al.	
↓	20.	6,128,767		Chapman	

Examiner Signature	/Brandon Bowers/	Date Considered	02/19/2008
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Substitute for form 1449A/PTO				Application Number	10/039,586
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/4/02
(use as many sheets as necessary)				First Named Inventor	Steve Teig
				Group Art Unit	2661
				Examiner Name	
Sheet	2	of	7	Attorney Docket Number	SPLX.P0048

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/BB/	21.	6,150,193		11-21-2000	Glenn
	22.	6,209,123	B1	03-27-2001	Maziasz et al.
	23.	6,219,832	B1	04-17-2001	Buzbee
	24.	6,226,560	B1	05-01-2001	Hama et al.
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	27.	6,295,634	B1	09-25-2001	Matsumoto
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	36.	6,442,743	B1	08-27-2002	Sarrafzadeh et al.
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	40.	6,490,713	B2	12-03-2002	Matsumoto
	41.	6,519,751	B2	02-11-2003	Sriram et al.
▼	42.	6,543,043	B1	04-01-2003	Wang et al.
	43.	6,546,540	B1	04-08-2003	Igarashi et al.

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Sheet	3	of	7		Filing Date	1/4/02
					First Named Inventor	Steve Teig
					Group Art Unit	2661
					Examiner Name	
					Attorney Docket Number	SPLX.P0048

U.S. PATENT DOCUMENTS

/BB/	44.	6,557,145	B2	04-29-2003	Boyle et al.	
/BB/	45.	6,567,967	B2	05-20-2003	Greidinger et al.	

FOREIGN PATENT DOCUMENTS

Examiner* Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Cod (If known)				
/BB/	46.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	47.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	48.	JP	H03-173471	A	Tawada et al.	07-26-1991	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
	49.	JP	H05-243379	A	Masako Kubota	09-21-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
↓	50.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the	✓

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					Filing Date	1/4/02	
					First Named Inventor	Steve Teig	
					Group Art Unit	2661	
					Examiner Name		
Sheet	4	of	7		Attorney Docket Number	SPLX.P0048	

FOREIGN PATENT DOCUMENTS								
							application.	
/BB/	51.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓
/BB/	52.	JP	H09-162279	A	Masaaki Yoshida	06-20-1997	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	✓

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Sheet	5	of	7	Filing Date	1/4/02
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				Group Art Unit	2661
				Examiner Name	
				Attorney Docket Number	SPLX.P0048

FOREIGN PATENT DOCUMENTS**NON PATENT LITERATURE DOCUMENTS**

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁸
/BB/	53.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.	
	54.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 956-931.	
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Sheet	6	of	7	Attorney Docket Number	SPLX.P0048

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/BB/	66.	Hu, J. et al., A Timing-Constrained Algorithm for Simultaneous Global Routing of Multiple Nets, IEEE/ACM International Conference on Computer Aided Design, ICCAD – 2000. IEEE/ACM Digest of Technical Papers (CAT. NO.00CH37140), Proceedings of International Conference on Computer Aided Design (ICCAD), San Jose, CA, USA, 5-9 Nov. 2000, pp.99-103.	
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